

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S6	12	(S1 or S2 or S3) and (S4 or S5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:21
S9	1	S8 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 12:58
S19	11	S6 and (turning)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:30
S20	2	(US-6804575-\$ or US-6907312-\$).did.	USPAT	OR	ON	2006/01/20 15:27
S21	2	(US-6804575-\$ or US-6907312-\$).did.	USPAT	OR	ON	2006/01/20 15:27
S22	2	S20 and (gene genetic\$5 or evolution\$3 or evolv\$4 or chromosome or generation or population)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:34
S25	2	706/13.ccls. and numerical adj control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/20 15:34
S37	1	"5493502".pn. and (depth or cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 16:41
S44	4	S42 and (NC or CNC or mill\$3 or drill\$3 or turn\$3 or cut\$4) and (cut\$4 with speed) and (feed\$1rate or feedrate or (feed adj rate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/23 15:53
S46	17	S42 and (NC or CNC or (numerical adj control)) and (mill\$3 or drill\$3 or turn\$3 or cut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:43

EAST Search History

S47	4	"5493502".pn. or "5598512".pn. or "5532932".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 09:59
S51	3	S50 and input	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 13:55
S53	1	S52 and workpiece	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 13:56
S55	1	S53 and S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:24
S56	2	S52 and (condition or characteristic or tool or machining or workpiece)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:55
S57	1	S52 and ((face near3 mill\$3) or (end near3 mill\$3) or turn\$3 or drill\$3 or cut\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 14:56
S65	1	S63 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 15:40
S71	1	S52 and (neural or ANN or NN)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 17:49
S73	41	S72 and S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/25 11:10

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S76	12	S75 not S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/24 18:03
S78	1	S77 and (input or multilayer or MLP or output or feed or speed)	US-PGPUB	OR	ON	2006/01/25 10:17
S81	1	(US-5473532-\$).did.	USPAT	OR	ON	2006/01/25 11:10
S10 2	46	S101 and (@pd<"20021118" @ad<"20021118")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 10:15
S10 3	30	(US-20040179915-\$ or US-20030187624-\$ or US-20010051476-\$ or US-20010044661-\$).did. or (US-5768137-\$ or US-6101444-\$ or US-6078911-\$ or US-5659479-\$ or US-5517420-\$ or US-6804575-\$ or US-6438445-\$ or US-6415191-\$ or US-5917726-\$ or US-5598512-\$ or US-5532932-\$ or US-5493502-\$ or US-5377116-\$ or US-5473532-\$ or US-6907312-\$ or US-6668201-\$ or US-5995737-\$ or US-6561992-\$ or US-5727130-\$ or US-6895286-\$ or US-6735576-\$ or US-6853991-\$ or US-5774630-\$ or US-6012015-\$ or US-6496761-\$ or US-6349293-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/13 12:37
S10 4	6	S103 and (inference with neur\$4)	US-PGPUB; USPAT	OR	ON	2006/09/13 12:37
S10 5	1	(US-5768137-\$).did.	USPAT	OR	ON	2006/09/13 13:55
S10 6	1	S105 and C	USPAT	OR	ON	2006/09/13 13:55
S10 9	2	S108 and feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:30
S11 0	3	S108 and cutting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:31
S11 1	3	S108 and cutting and speed	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/09/13 14:31

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S11 2	107	S128 same S129	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:18
S11 3	0	S140 and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:19
S11 4	45	S143 and S112	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:21
S11 5	0	S127 same S131 same S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:31
S11 6	2	S127 and S131 and S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:31
S11 7	100	(S127 same (S131 S126)) (S131 same (S127 S126)) (S126 same (S127 S131))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:31
S11 8	2	S117 and S130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:34
S11 9	0	S140 and (S115 S116 S118)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:34

EAST Search History

S12 0	3	S115 S116 S118	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:34
S12 1	0	S143 and (S115 S116 S118)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:34
S12 2	1	S132 and (S115 S116 S118)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:35
S12 3	5	S124 S116 S118 S120 S122 S125	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:37
S12 4	2	S140 and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:21
S12 5	1	S137 and S132	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:35
S12 6	304	input with ((deep depth) near4 cut\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:43
S12 7	942	input with (material work\$1piece) with hard\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:15

EAST Search History

S12 8	1250	\$2fuzzifi\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:15
S12 9	142775	neur\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:15
S13 0	5428	output with (cut\$4 with speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:15
S13 1	5948	input with (material work\$1piece) with (type kind sort)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:16
S13 2	5364	neur\$4 same \$2fuzz\$9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:20
S13 3	442	output with ((deep depth) near4 cut\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:44
S13 4	88	S127 same S131	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:43
S13 5	5695	output with ((feed\$4 near3 rate) feed\$1rate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:44

EAST Search History

S13 6	6108	S133 S135	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:44
S13 7	143	S136 same S130	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:45
S13 8	0	S134 and S137	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:45
S13 9	9	(S134 S137) and S143	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:45
S14 0	324	700/159.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:18
S14 1	3553	700/90,95,117,159,186,188.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:09
S14 2	5146	706/1-2,4,8,15-16,25,45-56,52,59-61,900, 902-904,906-907.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:12
S14 3	8677	S141 S142	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 13:13

EAST Search History

S14 4	35523	(numeric\$2 near2 control) CNC	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 15:22
S14 5	769	neur\$4 with inferenc\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 15:15
S14 6	30	(US-20040098147-\$ or US-20010001149-\$).did. or (US-5761387-\$ or US-5566092-\$ or US-5701400-\$ or US-5633986-\$ or US-5657427-\$ or US-5991709-\$ or US-5361326-\$ or US-5841949-\$ or US-5473532-\$ or US-5493502-\$ or US-5532932-\$ or US-5598512-\$ or US-5524176-\$ or US-5839438-\$ or US-6192352-\$ or US-6567795-\$ or US-5251144-\$ or US-5687290-\$ or US-5724483-\$ or US-5790755-\$ or US-5799132-\$ or US-5890142-\$ or US-5701394-\$ or US-6424956-\$ or US-5479533-\$ or US-6466929-\$).did. or (US-6561992-\$ or US-7206772-\$).did.	US-PGPUB; USPAT	OR	ON	2007/05/04 15:15
S14 7	2	S146 and S145 and S144	US-PGPUB; USPAT	OR	ON	2007/05/04 15:16
S14 8	2	S147 and (neur\$4 inferenc\$5)	US-PGPUB; USPAT	OR	ON	2007/05/04 15:16
S14 9	2	S144 same S145	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 15:23
S15 0	11	S144 and S145	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/05/04 15:23

NPL search.txt

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Google (20-January-2006):

genetic and CNC

genetic and "numeric control"

(genetic algorithm) AND "numeric control" AND machinability

(genetic algorithm) AND "numeric control" AND "machinability"

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Google Scholar (20-January-2006):

genetic CNC machinability

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Google (23-January-2006):

"workpieces by genetic algorithms"

genetic workpiece

initial workpiece (population OR generation)

initial workpiece (population OR generation) genetic

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Google Scholar 5/4/2007 (-2002)

+~depth +~cut +~cutting +~speed +~material +~type +~hardness +~workpiece +~neural
+~network +(~fuzzification | ~defuzzification) +~feed +~rate

+~depth +~cut +~cutting +~speed +~material +~type +~hardness +~workpiece +~neural
+~network

(Hamouda | Voon) +~depth +~cut +~cutting +~speed +~material +~type +~hardness
+~workpiece +~neural +~network

+~feed +~rate +~neural author:"V Wong" OR author:"W Voon" OR author:"A Hamouda" OR
author:"H Abdel"

+~feed +~rate author:"V Wong" OR author:"W Voon" OR author:"A Hamouda" OR author:"H
Abdel"

+~inference +"multilayer neural network" summation product neurons +~machining